Current Listing of the Claims

- 1. (Previously presented) A method for forming a fuel cell assembly, comprising the steps of:
- a) forming a fuel cell sub-assembly module containing at least two bonded together fuel cell units, said at least two fuel cell units each including an anode, a cathode, and a membrane electrode assembly;
 - b) testing said sub-assembly module; and
- c) joining together a plurality of sub-assembly modules to form said fuel cell assembly.
 - 2. (Cancelled).
- 3. (Original) A method in accordance with Claim 1 wherein each of said sub-assembly modules comprises a plurality of bipolar plates assemblies interspersed with a plurality of membrane electrode assembly elements.
- 4. (Original) A method in accordance with Claim 1 wherein said forming step for each of said sub-assembly modules includes the steps of:
- a) providing an assembly fixture having at least one alignment element for receiving fuel cell components:
- b) selecting **n+1** number of bipolar plate assemblies and **n** number of membrane electrode assembly elements, each bipolar plate assembly having an

anode and a cathode, wherein **n** is the number of said plurality of fuel cell units desired in said sub-assembly module;

- c) providing an elastomeric gasket on one of said anode and cathode of n+1
 bipolar plate assemblies;
- d) providing a gasketing element on the other of said anode and said cathode of n+1 bipolar plate assemblies, at least one of said elastomeric gasket and said gasketing element including a curable liquid rubber material;
- e) installing onto said assembly fixture one of said **n+1** bipolar plate assemblies, said alignment element engaging said one of said **n+1** bipolar plate assemblies;
- f) installing onto said assembly fixture a membrane electrode assembly element into contact with said just-installed bipolar plate assembly;
- g) installing onto said assembly fixture another of said **n+1** bipolar plate assemblies, the anode of said one or said another of said **n+1** bipolar plate assemblies being disposed adjacent said cathode of the other of said one or said another of said **n+1** bipolar plate assemblies, and said alignment element engaging said bipolar plate assembly being installed;
- h) repeating steps f) and g) for the remaining number of provided bipolar plate assemblies and provided MEA elements to form a stack of **n** fuel cell units;
- i) applying compressive force to said stack of **n** fuel cell units whilst curing said curable liquid rubber material of said at least one of said elastomeric gasket and said gasketing element to form a fuel cell sub-assembly module.

- 5. (Original) A method in accordance with Claim 4 wherein at least one of said elastomeric gasket and said gasketing element is cured prior to said method.
- 6. (Original) A method in accordance with Claim 4 wherein neither of said elastomeric gasket and said gasketing element is cured prior to said method.
- 7. (Original) A method in accordance with Claim 4 wherein said elastomeric gasket includes a sealant that is liquid during said bipolar plate installing step.
- 8. (Original) A method in accordance with Claim 4 wherein said gasketing element includes a sealant that is liquid during said bipolar plate installing step.
- 9. (Original) A method in accordance with Claim 4 wherein at least one of said membrane electrode assemblies includes gas diffusion layers.

Claims 10-13 (Cancelled).

162228.1 Page 4 of 11

- 14. (Previously presented) A fuel cell assembly comprising a plurality of fuel cells bonded together to form a plurality of fuel cell sub-assembly modules, wherein said plurality of fuel cell sub-assembly modules are bonded together to form said fuel cell assembly, wherein at least one of said fuel cells includes a bipolar plate assembly and a membrane electrode assembly.
 - 15. (Cancelled).
- 16. (Previously presented) A fuel cell assembly in accordance with Claim 14 wherein at least one gasket and at least one gasketing element are positioned between each of said plurality of fuel cells.
- 17. (Previously presented) A fuel cell assembly in accordance with Claim 14 wherein at least one gasket and at least one gasketing element are positioned between each of said plurality of fuel cell sub-assembly modules.
- 18. (Previously presented) A method in accordance with Claim 1 wherein said at least two fuel cell units are bonded together using at least one elastomeric gasket and at least one gasketing element.
- 19. (Previously presented) A method in accordance with Claim 1 wherein said plurality of sub-assembly modules are joined together using at least one elastomeric gasket and at least one gasketing element.

162228.1 Page 5 of 11

20. (Previously presented) A method in accordance with Claim 4 wherein said at least one alignment element is a rod, wherein each of said bipolar plate assemblies include a bore, and wherein each of said bores receive said rod to align said bipolar plate assemblies.

162228.1 Page 6 of 11